

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Date: July 22, 2003

JOHN D. RUSSELL,
FREEMAN CARTER GATES, and
ALLAN J. KOTWICKI

For : SYSTEM AND METHOD FOR AIR FLOW AND EGR FLOW
ESTIMATION

Mail Stop PATENT APPLICATION
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

Sir:

INFORMATION DISCLOSURE STATEMENT
UNDER 37 C.F.R. §§ 1.56, 1.97, and 1.98

Applicants are submitting this Information Disclosure Statement pursuant to 37 C.F.R. §§ 1.56, 1.97, and 1.98 to disclose to the Patent Office the patents, publications, applications, and/or other references listed on the enclosed, completed PTO-1449 forms. The filing of this Information Disclosure Statement should not be construed as a representation that a search has been made or as an admission that the listed references are prior art for this application. Applicants respectfully request that the listed references be expressly considered during prosecution of the application, and that the references be made of record therein and appear among the "references cited" on any patents issuing therefrom.

CONTENT OF DISCLOSURE

This Information Disclosure Statement includes 3 pages of PTO-1449 forms; however, it does not include copies of the references listed on the forms, as permitted under 37 C.F.R. § 1.98(d), because copies already were provided in an earlier U.S. application (Serial No. 09/539,227) that is relied on here for an earlier effective filing date under 35 U.S.C. § 120.

TIMING OF DISCLOSURE / FEE INFORMATION

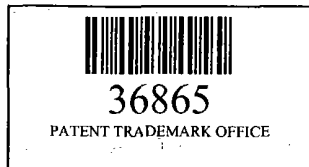
This Information Disclosure Statement is being filed with the application. Therefore, in accordance with 37 C.F.R. § 1.97(b), no fee or statement under 37 C.F.R. § 1.97(e) is required.

Please contact the undersigned with any questions or comments regarding this Information Disclosure Statement.

"Express Mail" Mailing Label
No. EV 315137958 US
Date of Deposit – July 22, 2003


I hereby certify that the attached correspondence is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. 1.10 on the date indicated above and is addressed to: Mail Stop PATENT APPLICATION, Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.


Erin Filsinger



Respectfully submitted,

KOLISCH HARTWELL, P.C.



Pierre C. Van Rysselberghe

Registration No. 33,557

John D. Russell

Registration No. 47,048

Customer No. 36865

520 S.W. Yamhill Street, Suite 200

Portland, Oregon 97204

Telephone: (503) 224-6655

Facsimile: (503) 295-6679

Attorney/Agent for Applicant/Assignee

FORM PTO-1449 INFORMATION DISCLOSURE CITATION IN AN APPLICATION		DOCKET NUMBER 198-1042 div.		APPLICATION NUMBER			
		APPLICANT(S) John Russell, Freeman Gates, and Allan Kotwicki					
		FILING DATE		GROUP ART UNIT			
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FIL. DATE IF APPROP.	
	4,290,404	09/1981	Hata et al				
	4,390,001	06/1983	Fugimoto				
	4,406,161	09/1983	Locke et al				
	4,555,952	12/1985	Jenkins				
	4,562,744	01/1986	Hall et al				
	4,690,120	09/1987	Egle				
	5,086,655	02/1992	Fredericks et al				
	5,188,086	02/1993	Adkins et al				
	5,190,017	03/1993	Cullen et al				
	5,203,313	04/1993	Rotarius				
	5,205,260	04/27/1993	Takahashi et al				
FOREIGN PATENT DOCUMENTS							
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES NO	
	2312284	1997	UK				
	0234511 A1		EP				
	0061856 A2		EP				
OTHER DOCUMENTS							
	"Experimental Methods for Engineers" J.P. Holman, pp. 184-236, Second Edition Mc Graw-Hill Book Company.						
	"The Internal-Combustion Engine in Theory and Practice", Vol. 1: Thermodynamics, Fluid Flow, Performance, Second Edition, Revised, The MIT Press, by C.F. Taylor.						
EXAMINER			DATE CONSIDERED				

FORM PTO-1449		DOCKET NUMBER 198-1042 div.		APPLICATION NUMBER		
INFORMATION DISCLOSURE CITATION IN AN APPLICATION		APPLICANTS John Russell, Freeman Gates, and Allan Kotwicki				
		FILING DATE		GROUP ART UNIT		
U.S. PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FIL. DATE IF APPROP.
	5,273,019	12/28/1993	Matthews et al			
	5,331,936	07/26/1994	Messih et al			
	5,347,843	09/1994	Orr et al			
	5,390,649	02/1995	Miener et al			
	5,461,932	10/1995	Hall et al			
	5,465,617	11/1995	Dudek et al			
	5,474,051	12/1995	Matsumoto et al			
	5,497,329	03/1996	Tang			
	5,508,926	04/1996	Wade			
FOREIGN PATENT DOCUMENTS						
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES NO
	10-53032	1998	Japan			
	050125996 A		Japan			
	060294317 A		Japan			
	060336956 A		Japan			
OTHER DOCUMENTS						
	"System Dynamics", Prentice Hall, ISBN 0-13 8803585-4, Ogata, pp. 250-255, 1978.					
	"Modeling and Validation of Automotive Engine for Control Algorithm Development"; J. Moskwa, J. Hedrick; pp. 237-247; Advanced Automotive Technologies - 1989; DSC-VOL. 13; Annual Meeting of The American Society of Mechanical Engineers, San Francisco, CA, Dec. 10-15, 1989.					
EXAMINER			DATE CONSIDERED			

FORM PTO-1449 INFORMATION DISCLOSURE CITATION IN AN APPLICATION		DOCKET NUMBER 198-1042 div.		APPLICATION NUMBER			
		APPLICANTS John Russell, Freeman Gates, and Allan Kotwicki					
		FILING DATE		GROUP ART UNIT			
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FIL. DATE IF APPROP.	
	5,520,161	05/1996	Klopp				
	5,537,977	07/1996	Hartman et al				
	5,546,795	08/1996	Yamagishi				
	5,577,484	11/1996	Izutani et al				
	5,585,553	12/1996	Schricker				
	5,613,479	03/1997	Gates et al				
	5,714,683	02/08/1998	Maloney				
	5,753,805	05/19/1998	Maloney				
	5,964,820	10/1999	Miwa et al				
	5,988,149	11/1999	Gates				
	6,138,504	10/2000	Lewis et al				
	6,182,644 B1	02/2001	Kotwicki et al				
	6,308,694 B1	10/2001	Kotwicki et al				
FOREIGN PATENT DOCUMENTS							
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES NO	
OTHER DOCUMENTS							
EXAMINER				DATE CONSIDERED			